

PUBLIC NOTICE

PERMIT APPLICATION: NRS 05.432

APPLICANT: W M Barr
2105 Channel Ave., President's Island
Memphis, Tenn. 38113
901-775-0100

LOCATION: W M Barr Dock, McKellar Lake in Memphis, Shelby County, Tenn.
35.0879 °N, -90.1092 °W

WATERSHED DESCRIPTION: McKellar Lake is in the Lower Mississippi-Memphis watershed (HUC TN08010100). McKellar Lake is assessed as not supporting its recreation classified use. The classified uses include industrial water supply, navigation, fish and aquatic life, and recreation. Fishing advisory issued due to legacy organic contaminants in fish tissue. McKellar Lake is listed as impaired by chlordane, PCBs, organic enrichment/low DO, pathogens, dioxin and siltation. Sediment analysis conducted in 2005 yielded positive results on certain contaminants of concern. A risk analysis indicated low risk, though, for dredging when dredged materials are disposed upland on Treasure Island or the site known as the Western Disposal Area.

McKellar Lake is an embayment of the Mississippi River located at the mouth of Nonconnah Creek. McKellar Lake is the location for the International Port of Memphis. The port handles bulk commodities including petroleum, crude materials, food and farm products, coal and manufactured goods.

(Photos of the site are included on the Internet version of this notice at
<http://www.state.tn.us/environment/wpc/wpcppo/arap>)

PROJECT DESCRIPTION: On November 18, 2005, the division issued an emergency remedial permit for dredging of sediment in the vicinity of the barge unloading facilities. The dredging work was needed as result of extremely low water levels in McKellar Lake that created a hazardous situation for the unloading of the Kerosene products handled at the plant.

The area permitted for dredging is approximately 220 feet long and 70 feet wide with depths ranging up to 9 feet below the water/sediment interface. Approximately 7,000 cubic yards of sediment, total would be dredged. Dredging will be accomplished by commercial bucket and the dredged material will be placed directly on a hopper barge and transferred to the Treasure Island disposal area.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the activity will not result in degradation to water quality.

PERMIT COORDINATOR: Juliana W. Kyzar

USGS TOPOGRAPHIC QUADRANGLE: Southwest Memphis 404 SW

Photo 1 - Looking Downstream (south) of the Dock



Photo 2 - Looking Upstream (north) of the Dock



Photos 1 & 2: Facilities on Friday November 11, 2005, provided by ENSAFE

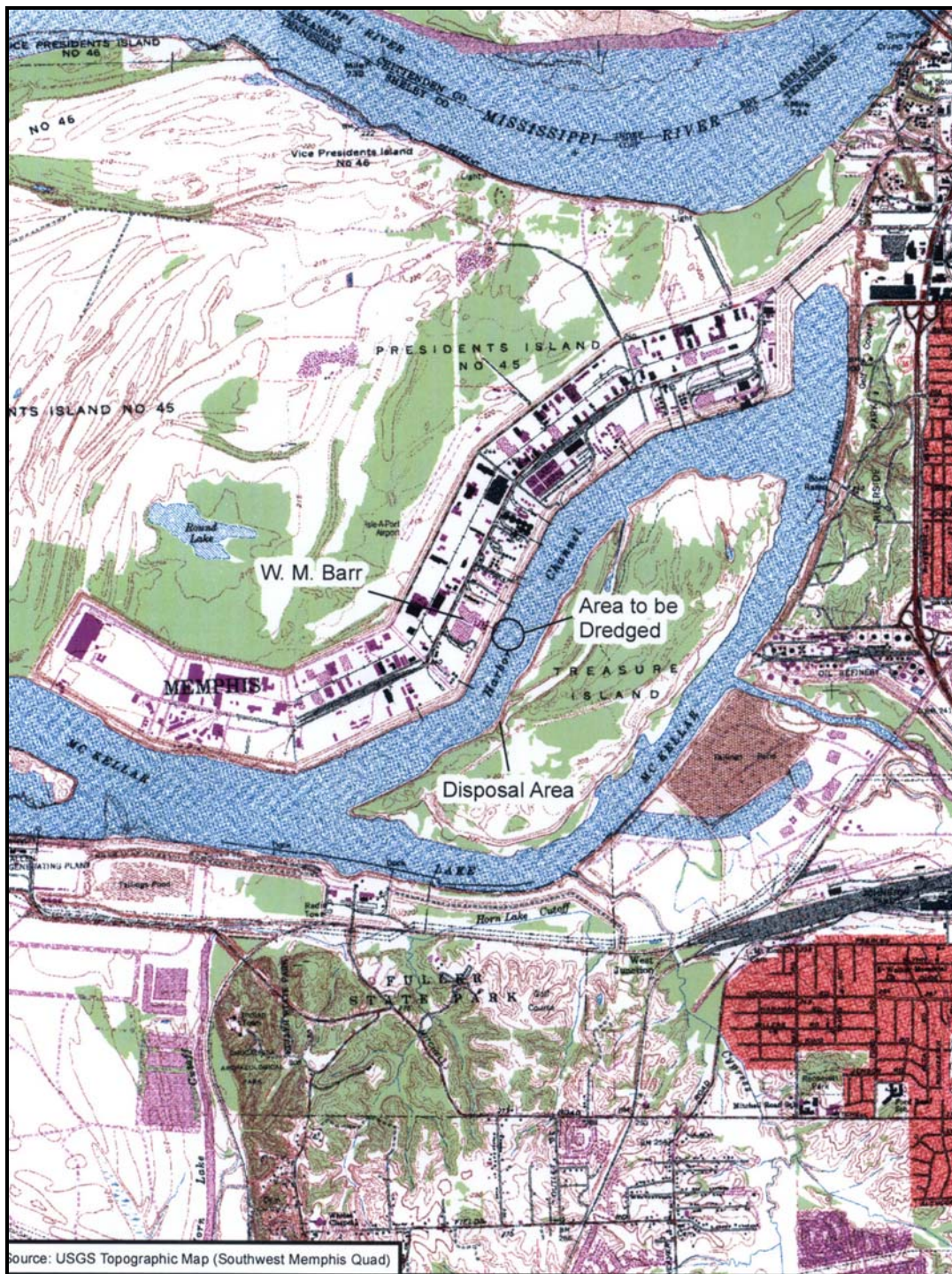


Figure 1: USGS 7.5-minute topographic map with project area indicated

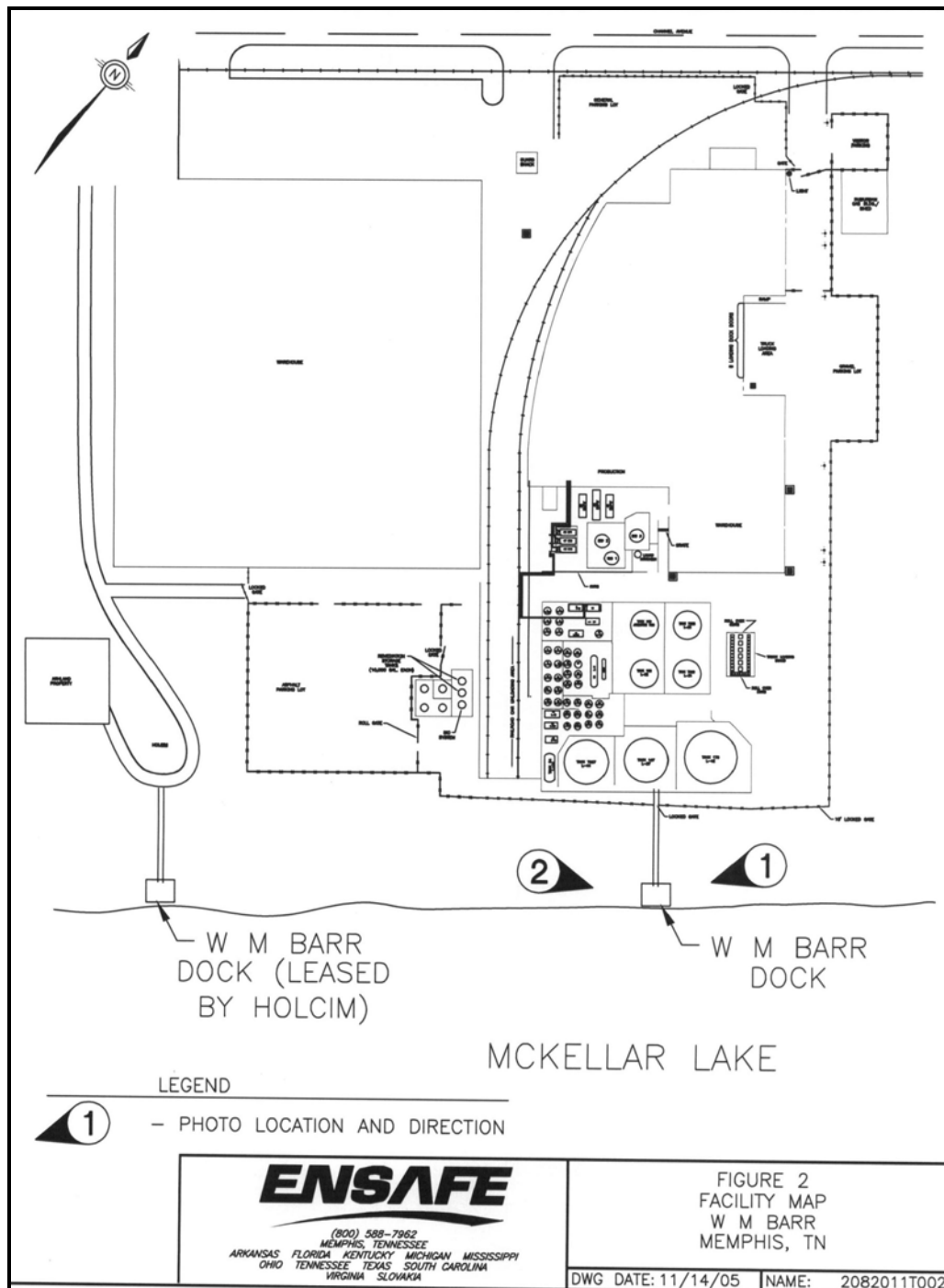


Figure 2: Facility map

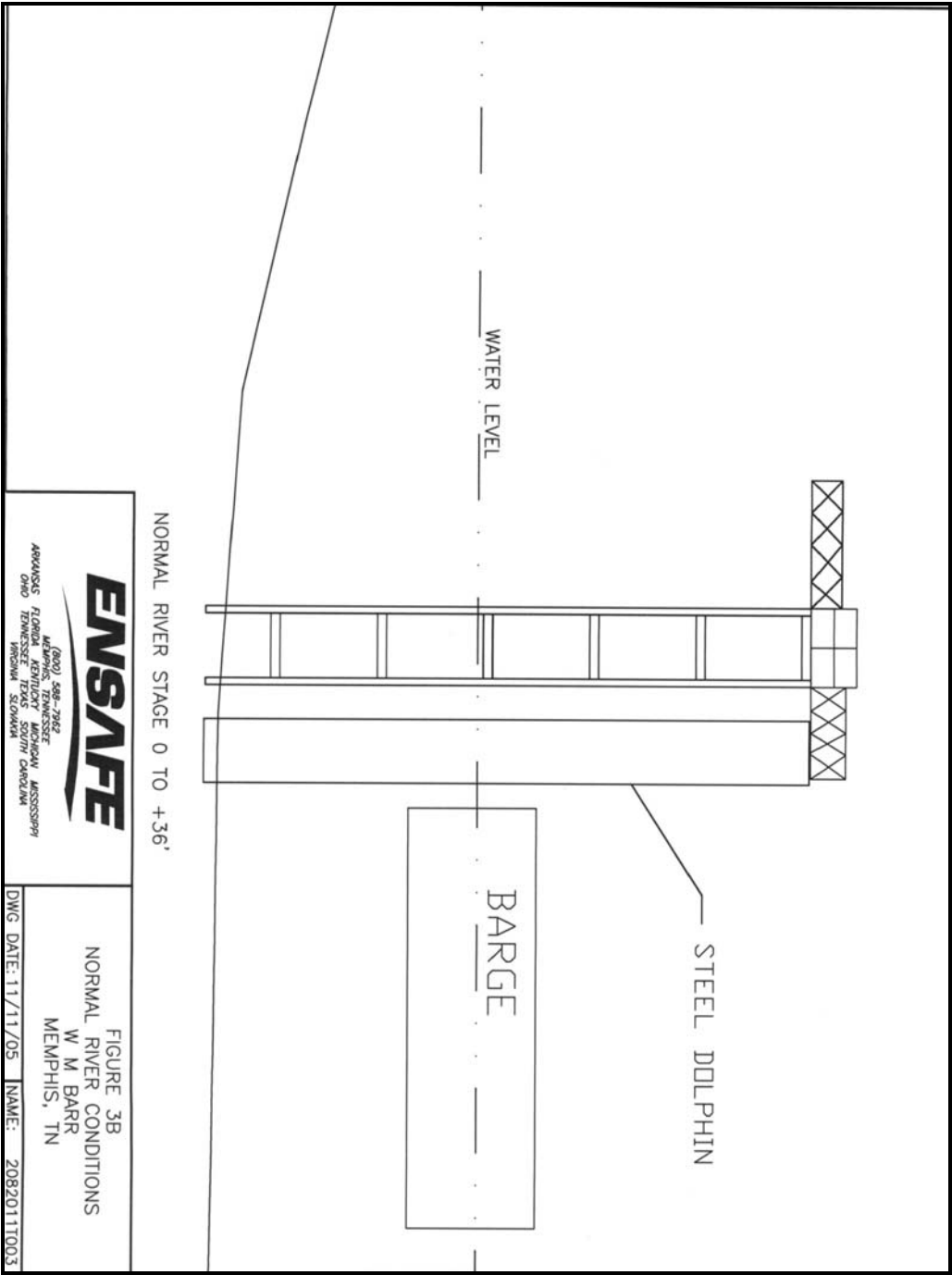


Figure 3:Normal operation water levels

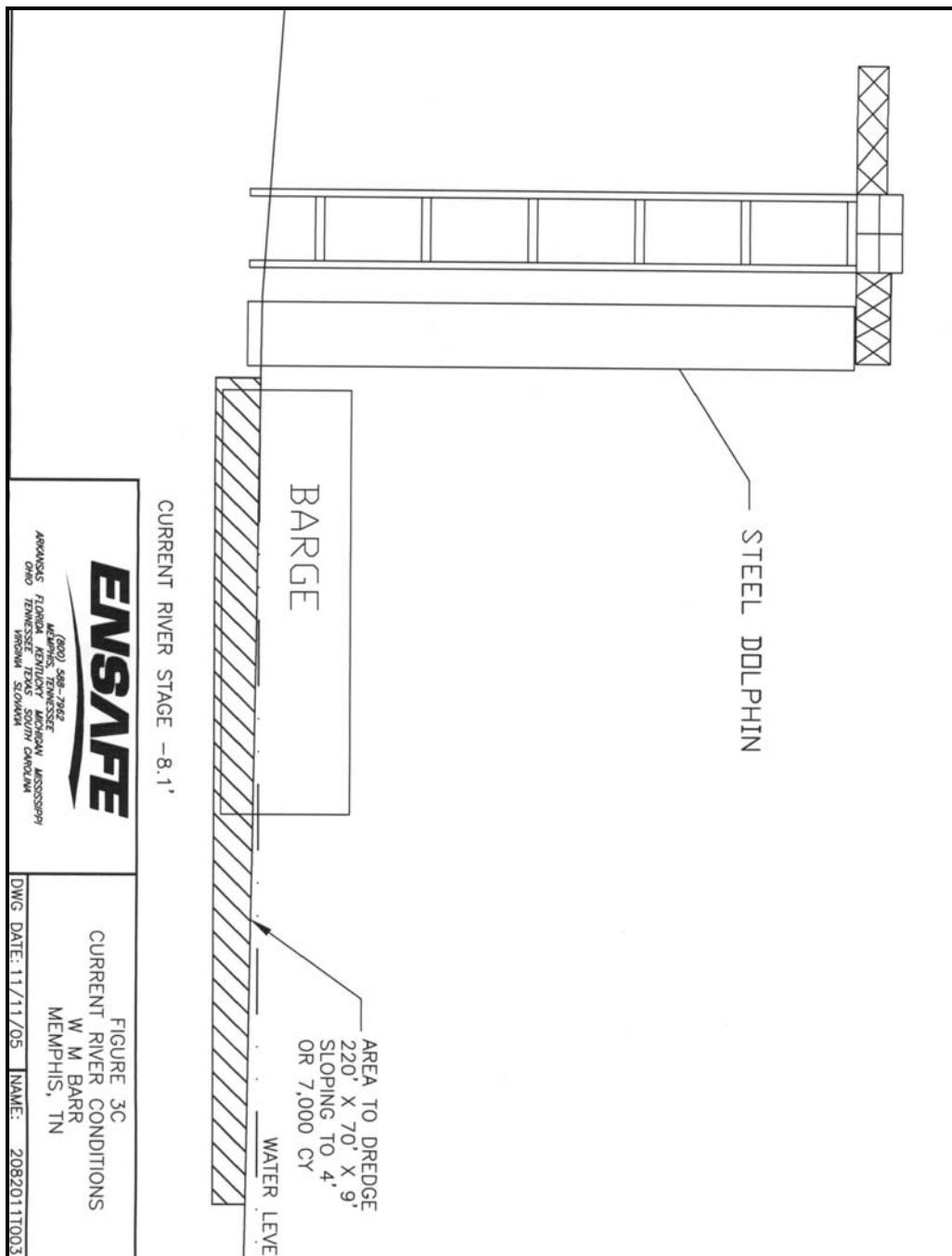


Figure 4: Water levels causing need to dredge